



## STRUCTURAL BIOLOGY RESEARCH CENTER

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A fully funded post-doctoral position is available in the [Remaut lab](#) at VIB - Brussels to work on the structural biology of bacterial amyloid secretion using single particle cryo-EM. The position is available for a minimal of 3 years.

Candidates should hold or shortly obtain a PhD in sciences (Biochemistry, Structural Biology, Physics or Biophysics) and have experience with 3D single particle reconstruction and cryo electron microscopy. Prior experience with membrane protein expression and purification is a plus. Candidates with extensive structural biology background and a strong commitment to learn single particle EM may be considered.

The structural and molecular microbiology lab focuses on the structure and function of bacterial cell surfaces and their roles in host-pathogen interactions. In this project you will work on the biogenesis of functional amyloid fibers called curli, assembled by Gram-negative bacteria as part of the extracellular matrix that ties bacteria into biofilms. Curli assembly requires a dynamic multi-component secretion apparatus that shuttles subunits across the bacterial outer membrane and orchestrates curli fiber self-assembly (Goyal et al. 2014 - [doi: 10.1038/nature13768](https://doi.org/10.1038/nature13768)). You will have the first hand in unraveling the molecular foundations of this enigmatic assembly process.

We're located at the Flanders Institute for Biotechnology – VIB (<http://www.vib.be>) and Free University Brussels (VUB), on a green and lively campus in the center of Brussels, Belgium.

Informal enquiries and applications, including a cv and 2 references, should be addressed to [han.remaut@vub.ac.be](mailto:han.remaut@vub.ac.be) by July 6<sup>th</sup>.



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